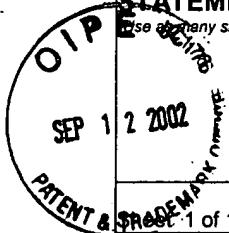


Substitute for form 1449A/PTO
**INFORMATION DISCLOSURE
 STATEMENT BY APPLICANT**
 (Use as many sheets as necessary)



Complete if Known

Application Number	10/029732
Filing Date	December 21, 2001
First Named Inventor	Beesley, Darin
Group Art Unit	3661
Examiner Name	Unknown

Attorney Docket No: 01528.009US1

US PATENT DOCUMENTS

Examiner Initial *	USP Document Number	Publication Date	Name of Patentee or Applicant of cited Document	Class	Subclass	Filing Date If Appropriate
<i>ml</i>	US-5537323	07/16/1995	Schulte, Hans H.	364	449	01/18/1994

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Foreign Document No	Publication Date	Name of Patentee or Applicant of cited Document	Class	Subclass	T ²
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OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
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	Filing Date: Herewith	366 / Group: Unknown

Jc828 U.S. PTO

10/029732

12/21/01

U.S. PATENT DOCUMENTS

**Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
<i>sl</i>	5,343,399	08/30/1994	Yokoyama, S., et al.	364	449	07/23/93
	5,410,486	04/25/1995	Kishi, H., et al.	364	449	07/19/93
	5,452,212	09/19/1995	Yokoyama, S., et al.	364	449	08/17/93
	5,452,217	09/19/1995	Kishi, H., et al.	364	449	07/19/93
	5,475,599	12/12/1995	Yokoyama, S., et al.	364	449	06/13/94
	5,506,578	04/09/1996	Kishi, H., et al.	340	996	07/23/93
	5,793,631	08/11/1998	Ito, T., et al.	364	449.5	03/06/95
	5,809,447	09/15/1998	Kato, K., et al.	701	211	04/04/96
	6,161,092	12/12/2000	Latshaw, G., et al.	704	270	09/29/98
	6,172,641	01/09/2001	Millington, J.	342	357.13	04/09/98
	6,199,013	03/06/2001	O'Shea, M.J.	701	211	07/15/97
	6,317,684	11/13/2001	Roeseler, A., et al.	701	202	12/22/99
	6,317,687	11/13/2001	Morimoto, K., et al.	701	211	10/05/92
<i>sl</i>	6,321,158	11/20/2001	DeLorme, D.M., et al.	701	201	08/31/98

FOREIGN PATENT DOCUMENTS

**Examiner Initial	Document Number	Date	Country	Class	Subclass	Translation Yes No
-----------------------	-----------------	------	---------	-------	----------	-------------------------

OTHER DOCUMENTS

(Including Author, Title, Date, Pertinent Pages, Etc.)

<i>sl</i>	"An optimal pathfinder for vehicles in real-world digital terrain maps", http://www.nease.net/jamsoft/shortestpath/pathfinder/4.html , 11 pages, (1999)
	"Informed Search Methods", <u>Artificial Intelligence, A Modern Approach</u> , Prentice Hall, Inc., pp. 92-115, (1995)
	"Real-Time Vehicle Routing in Dynamic and Stochastic Urban Traffic Networks", http://www.gpu.srv.ualberta.ca/lfu/research.htm , pp. 1-3, (1997)
	Ahuja, R., et al., "Faster Algorithms for the Shortest Path Problem", <u>Journal of the Association for Computing Machinery</u> , 37(2), pp. 213-223, (1990)
	Cung, V., et al., "An Efficient Implementation of Parallel A **", <u>CFPAR</u> , Montreal, Canada, pp. 153-167, (1994)
	Fredman, M., et al., "Fibonacci heaps and their uses in improved network optimization algorithms", <u>Journal of the ACM</u> , 34(3), 2 pages, (1987)
<i>sl</i>	Fu, L., "Heuristic Shortest Path Algorithms and their Potential IVHS Applications", <u>Proceedings of the Fourth University of Alberta - University of Calgary, Joint Graduate Student Symposium in Transportation Engineering</u> , pp. 83-109, (1995)

Examiner

Date Considered

*Substitute Disclosure Statement Form (PTO-1449)

**EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form 1449*	Atty. Docket No.: 1528.009US1	Serial No. Unknown
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	Applicant: Jay Dee Krull et al.	
	Filing Date: Herewith	Group: Unknown 3661

OTHER DOCUMENTS

**Examiner
Initial

(Including Author, Title, Date, Pertinent Pages, Etc.)

re	Iked, T., et al., "A Fast Algorithm for Finding Better Routes by AI Search Techniques", <u>Vehicle Navigation and Information Systems Conference Proceedings</u> , pp. 291-296, (1994)
	Kaindl, H., et al., "Memory-Bounded Bidirectional Search", <u>Proceedings of the 12th National Conference on Art</u> , AAAI Press, Seattle, WA, pp. 1359-1364, (1994)
	Laporte, G., "The Vehicle Routing Problem: An overview of exact and approximate algorithms", <u>European Journal of Operational Research</u> , 59, pp. 345-358, (1992)
	Myers, B., "Data Structures for Best-First Search", http://www4.ncsu.edu/jbmyers/dsai.htm , pp. 1-6, (1997)
	Ronngren, R., et al., "Parallel and Sequential Priority Queue Algorithms", <u>ACM Transactions on Modeling and Computer Simulation</u> , 7(2), pp. 168-172, 198, 199, (1997)
	Stout, B., "Smart Moves: Intelligent Pathfinding", <u>Gamasutra</u> , http://www.gamasutra.com/features/programming/080197/pathfinding.htm , pp. 1-11, (1997)
	Wai, L., et al., "Comparative Study of Shortest Path Algorithm for Transport Network", <u>USRP Report 2</u> , http://www.comp.nus.edu.sg/leonghoe/USRPreport-txt.html , pp. 1-10, (1999)
	Zhan, F.B., "Three Fastest Shortest Path Algorithms on Real Road Networks: Data Structures and Procedures", <u>Journal of Geographic Information and Decision Analysis</u> , 1(1), http://www.geog.uwo.ca/gimda/journal/vol1.1/Zhan/Zhan.htm , 11 pages, (1997)
re	Zhao, Y., et al., "An Adaptive Route-Guidance Algorithm for Intelligent Vehicle Highway Systems", <u>American Control Conference, Boston, MA</u> , Department of Electrical Engineering and Computer Science, The University of Michigan, pp. 2568-2573, (1991)

Examiner

Date Considered

*Substitute Disclosure Statement Form (PTO-1449)

**EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.